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August 23, 2020

1 Chap 4 Trigonometric Functions

1.1 4.2 Graphs of trig functions

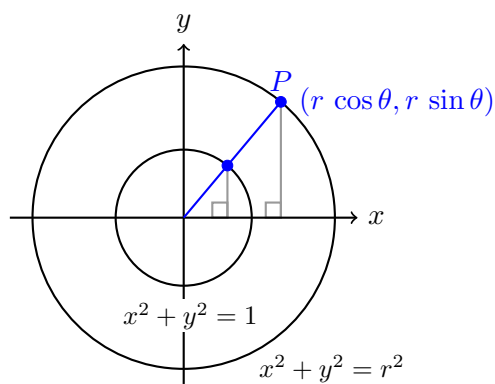
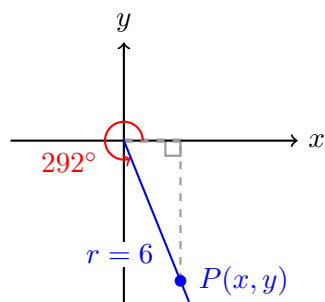
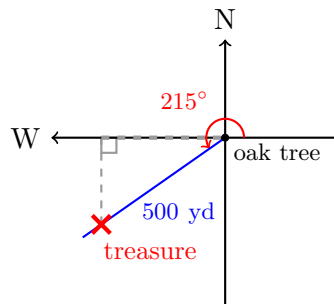


fig-4-2-rcircle



exam4-2-1



exer4-2-1

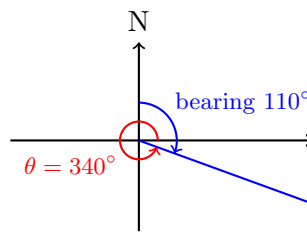
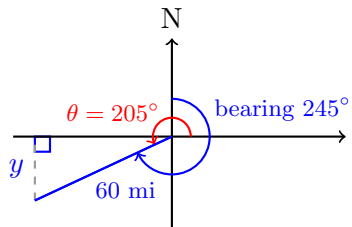


fig-4-2-bearings



exam-4-2-2

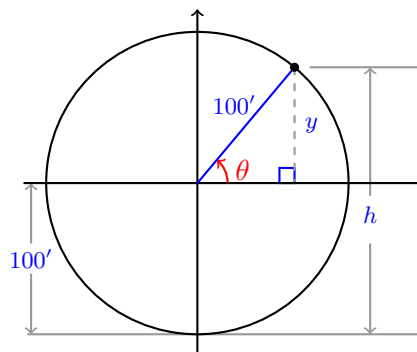


fig-4-2-ferris

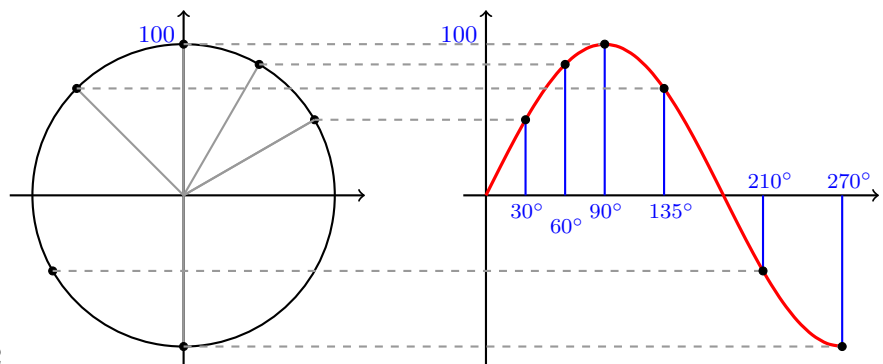


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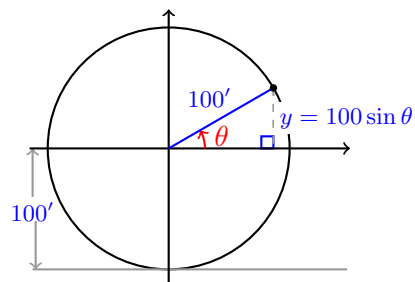
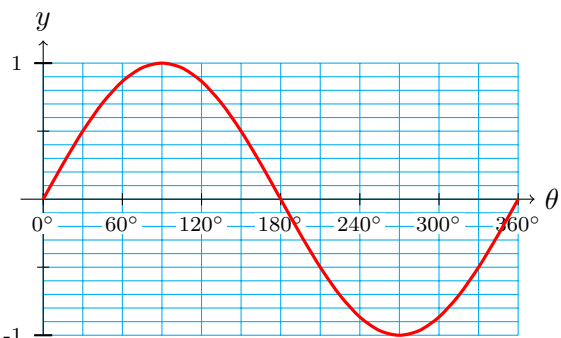
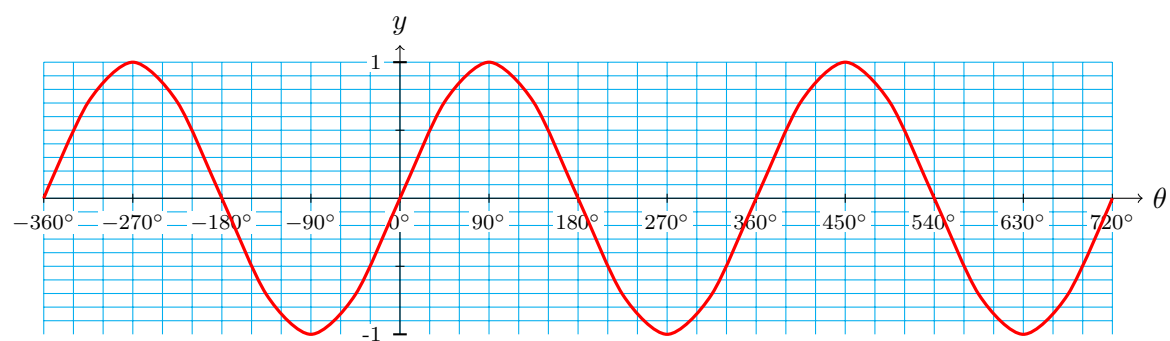


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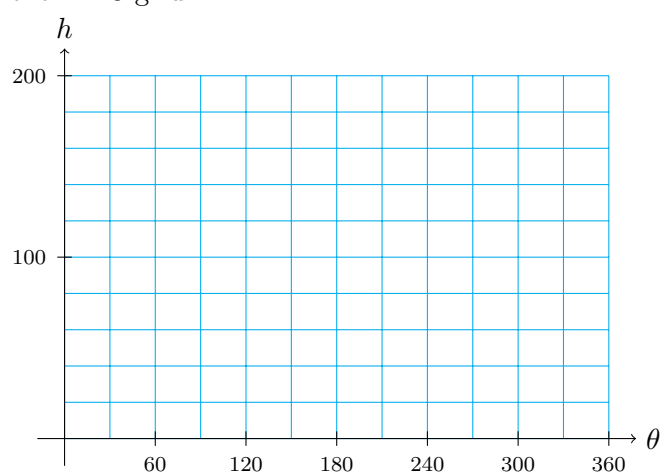


exam4-2-3a -1

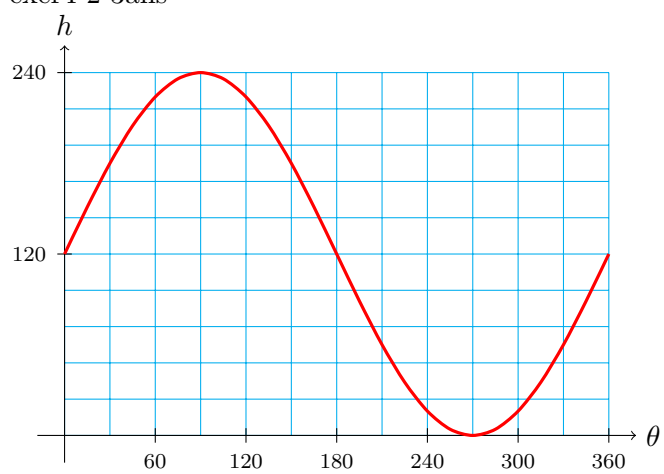
exam4-2-3b

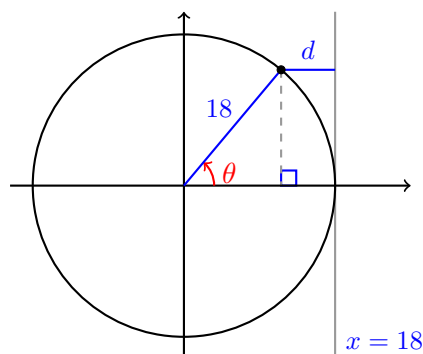
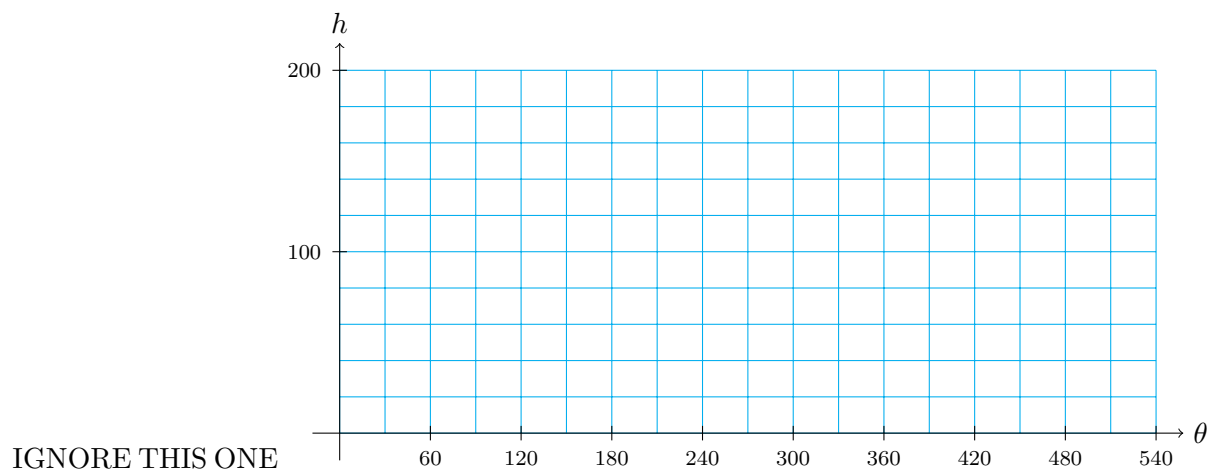


exer4-2-3 grid



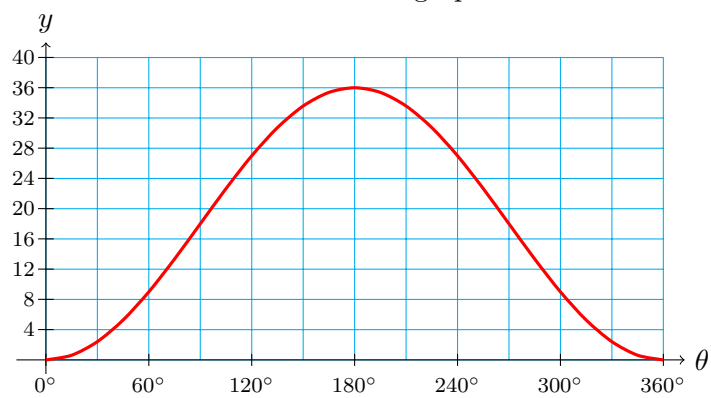
exer4-2-3ans



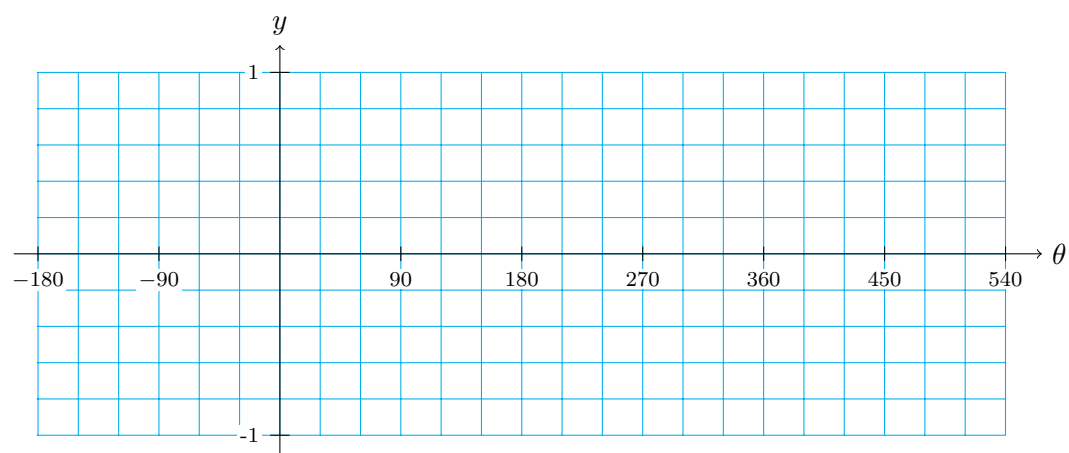


exam4-2-4a circle

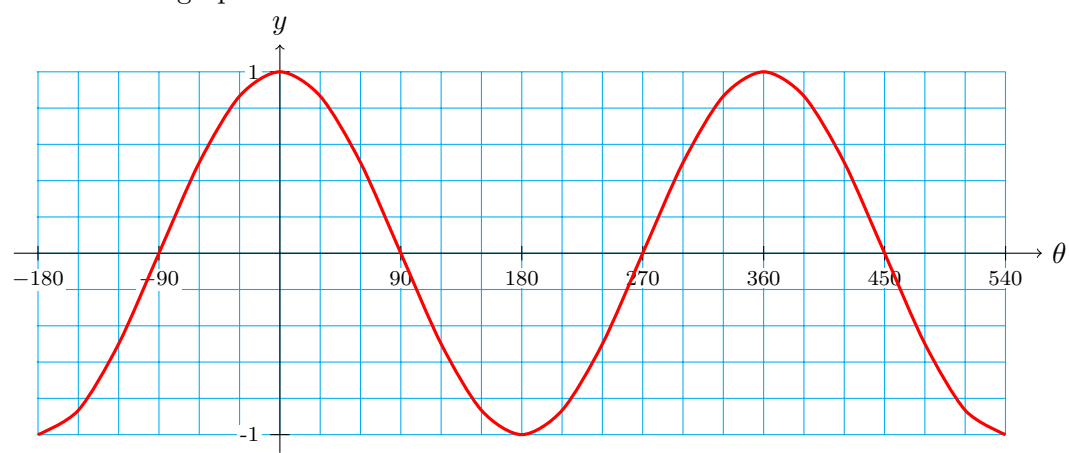
exam4-2-4b transformed cosine graph



exer4-2-4 grid



exer4-2-4ans graph



exam4-2-5 semi-circle graph

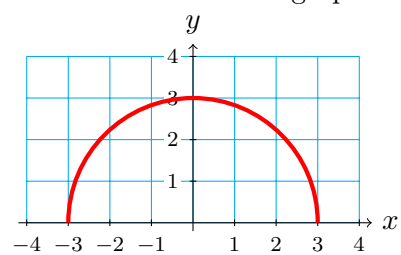


fig-4-2-caut1 angle

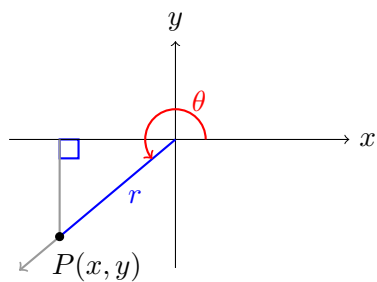


fig-4-2-caut2b angle on unit circle

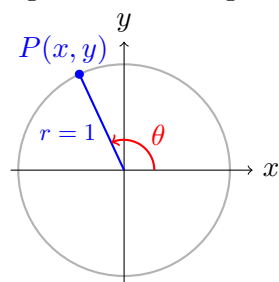


fig-4-2-caut2cos cosine graph

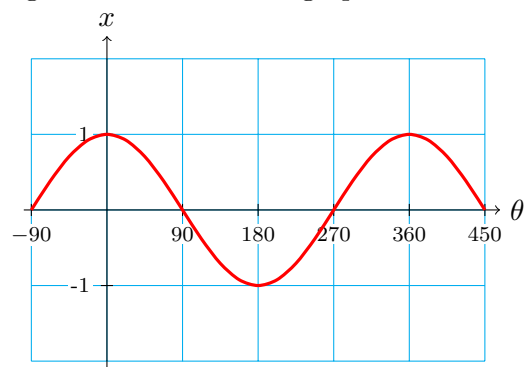
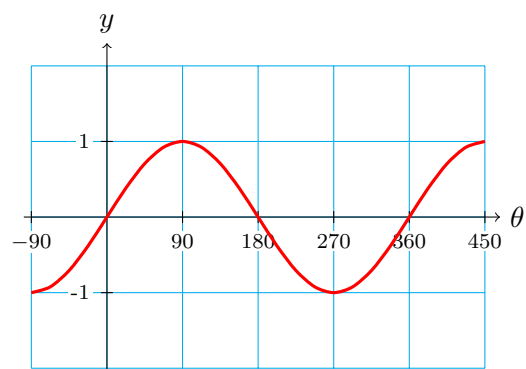
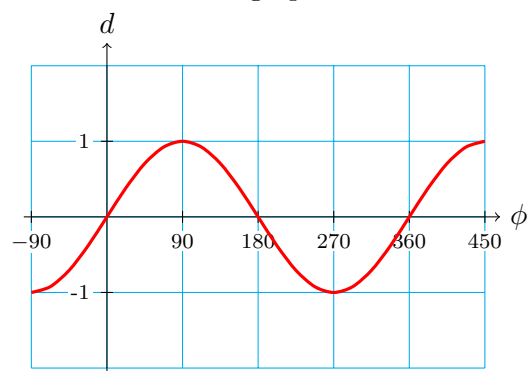


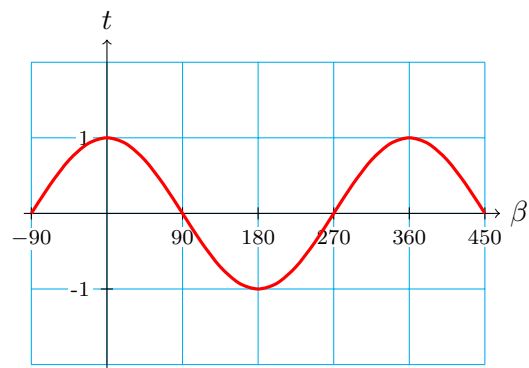
fig-4-2-caut2sin sine graph



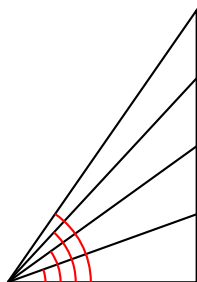
exer4-2-5ansa sine graph



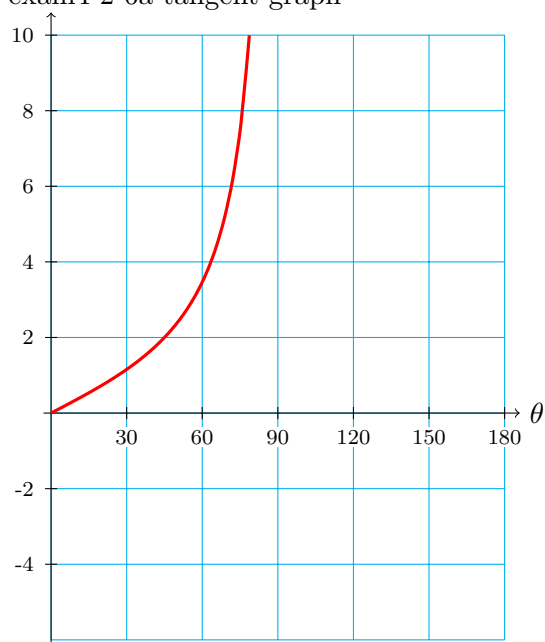
exer4-2-5ansb cosine graph



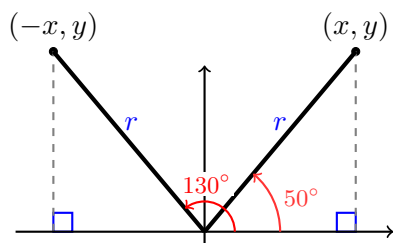
SKIP THIS: fig-4-2-tan slopes It is the figure used in hmwk 2.2.53 hp2-2-53.svg



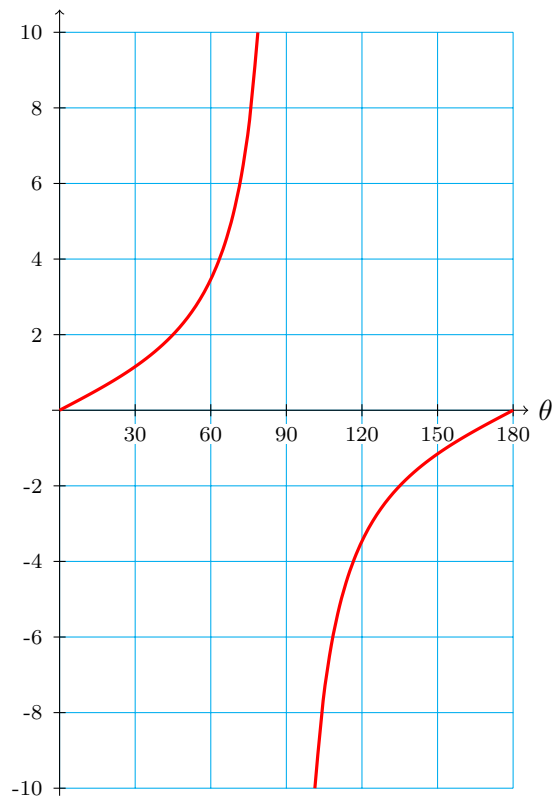
exam4-2-6a tangent graph



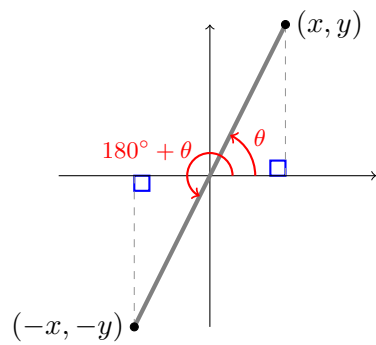
exam4-2-6b supplementary angles



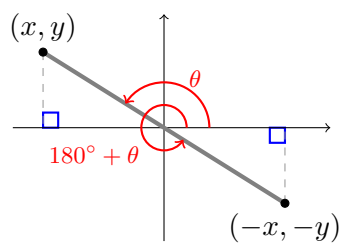
exam4-2-6c tangent graph



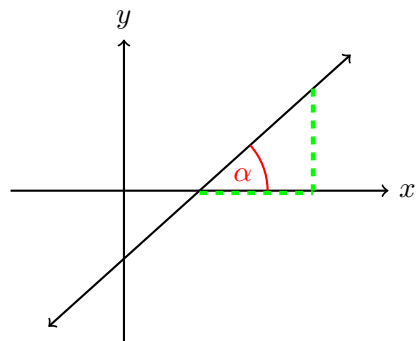
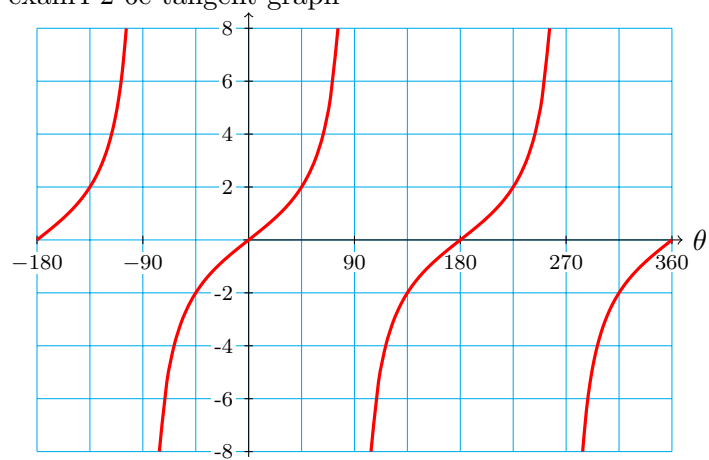
exam4-2-6d angles differing by 180 degrees



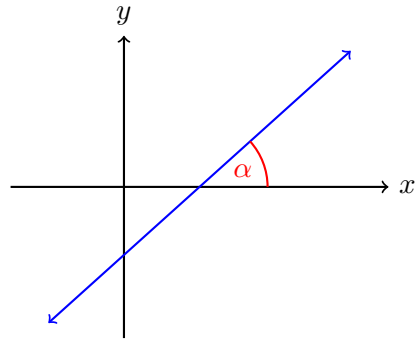
exam4-2-6d2 angles differing by 180 degrees



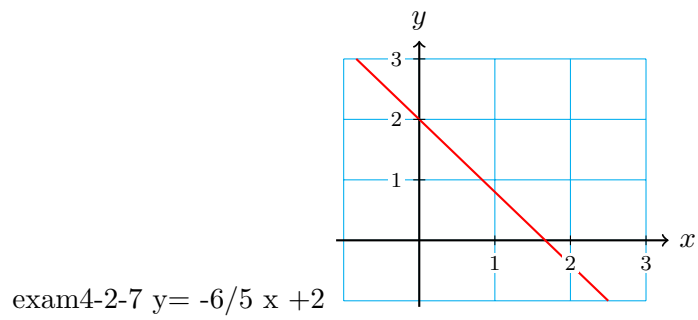
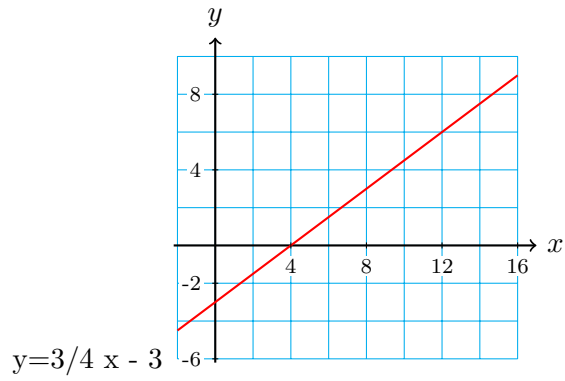
exam4-2-6e tangent graph



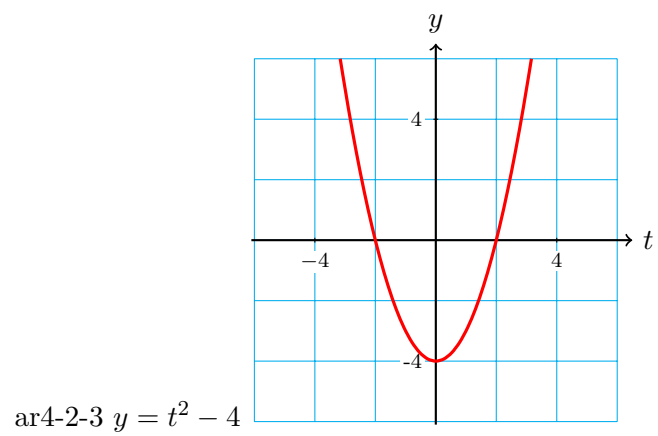
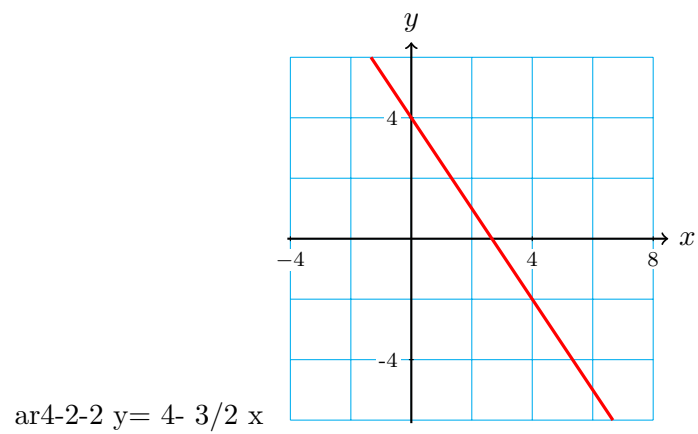
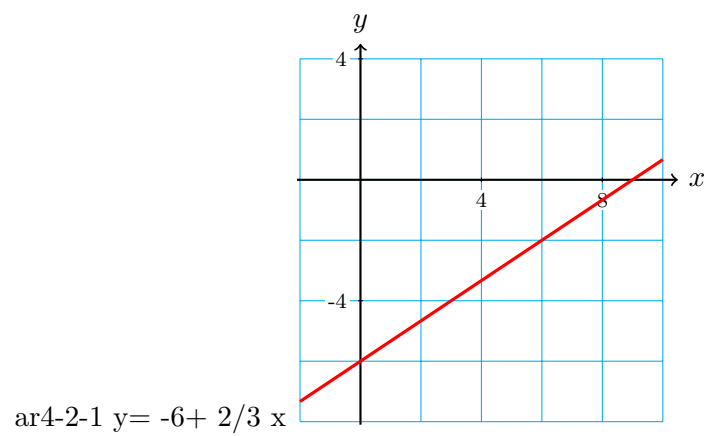
Section 4.2 Angle of inclination

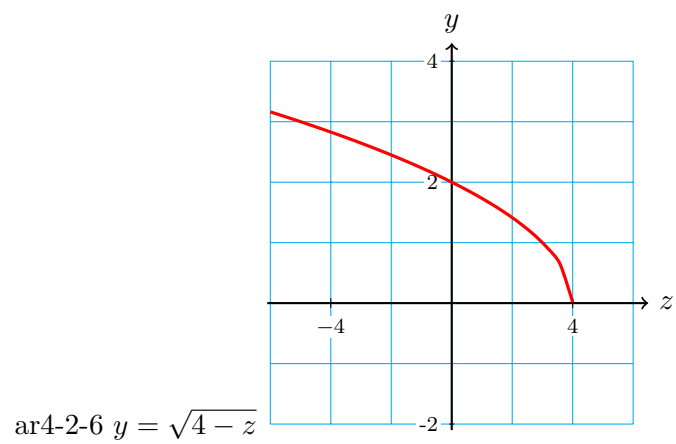
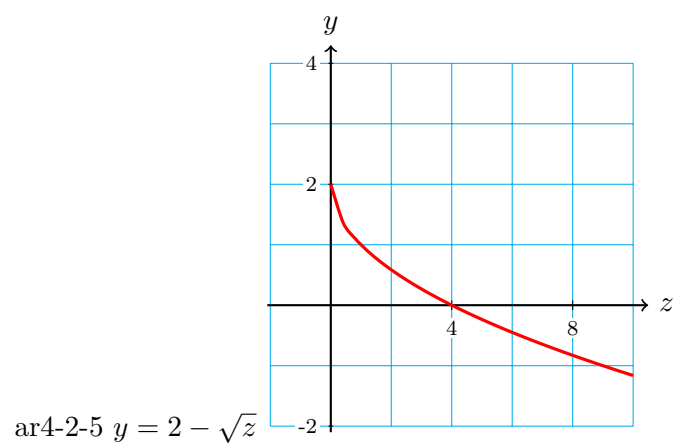
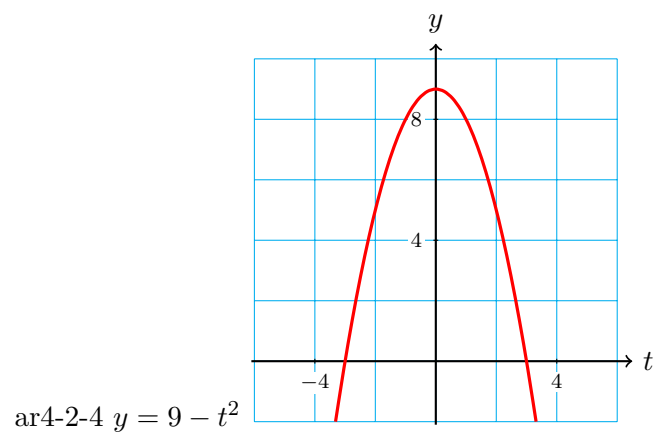


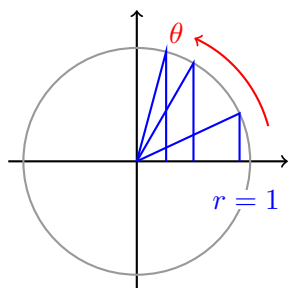
Section 4.2 Angle of inclination



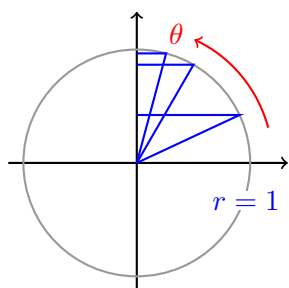
exam4-2-7 $y = -\frac{6}{5}x + 2$





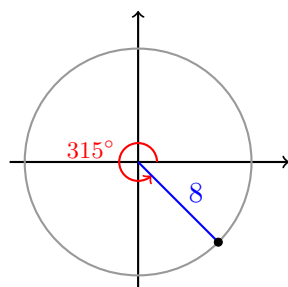


sq4-2-1 circle

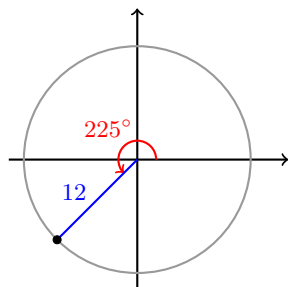


sq4-2-2 circle

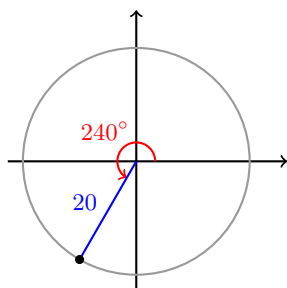
2 Homework 4.2



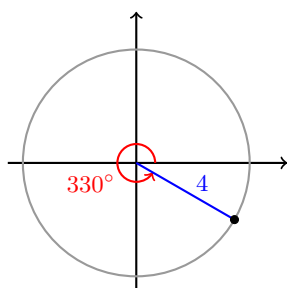
hp4-2-1 circle



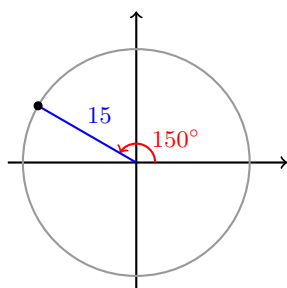
hp4-2-2 circle



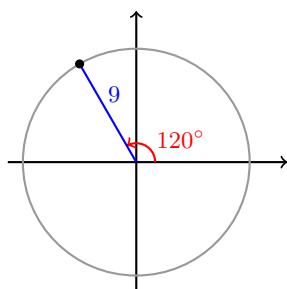
hp4-2-3 circle



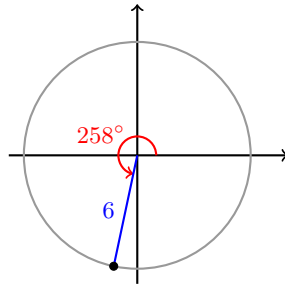
hp4-2-4 circle



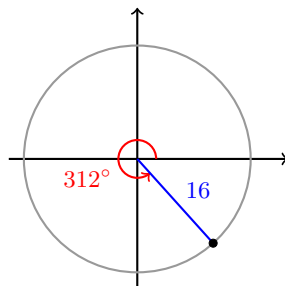
hp4-2-5 circle



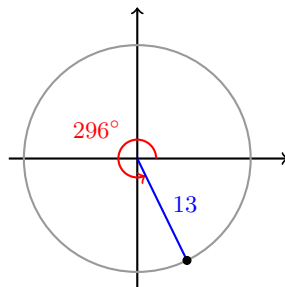
hp4-2-6 circle



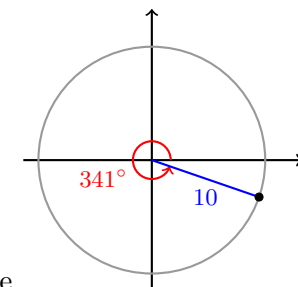
hp4-2-7 circle



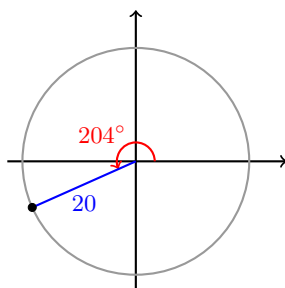
hp4-2-8 circle



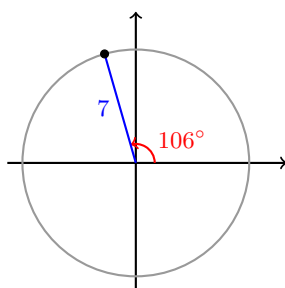
hp4-2-9 circle



hp4-2-10 circle



hp4-2-11 circle



hp4-2-12 circle

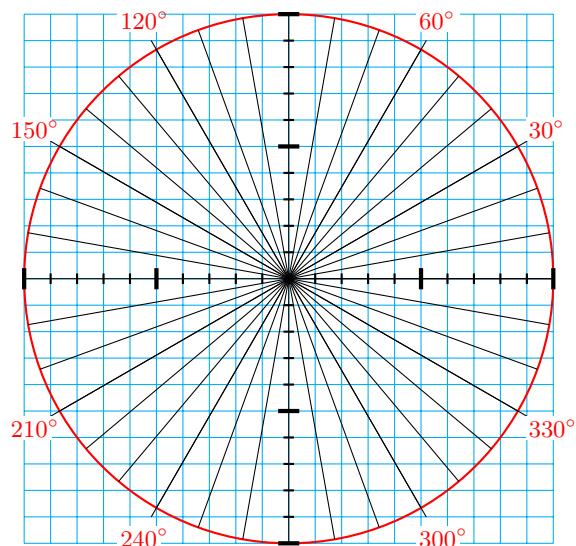
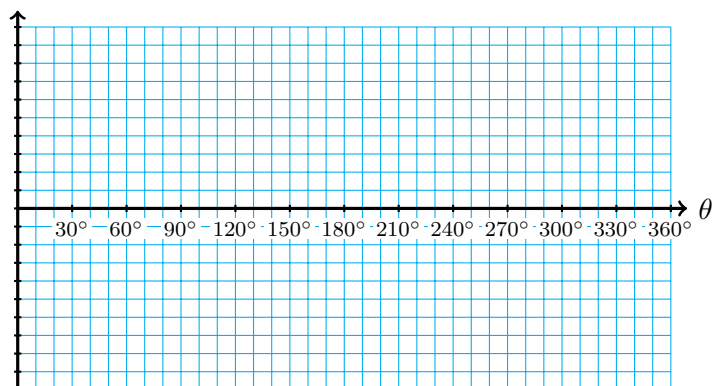
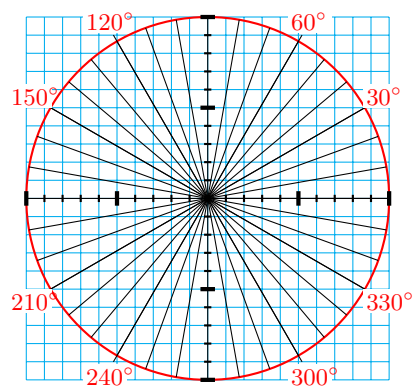
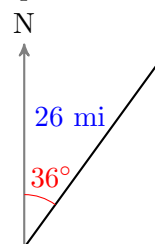


fig-4-2-unitcircle

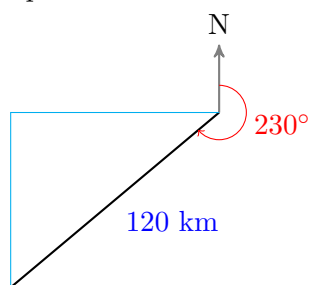
fig-4-2-circleandgraph



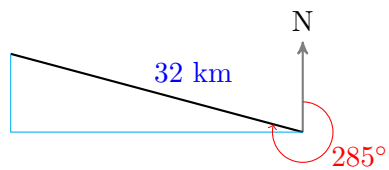
hp4-2-13ans vector



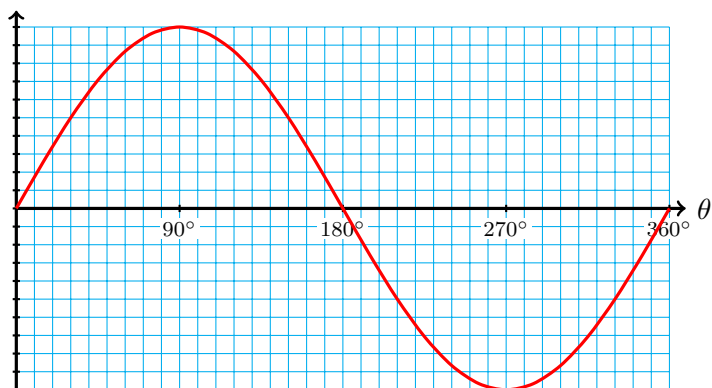
hp4-2-15ans vector



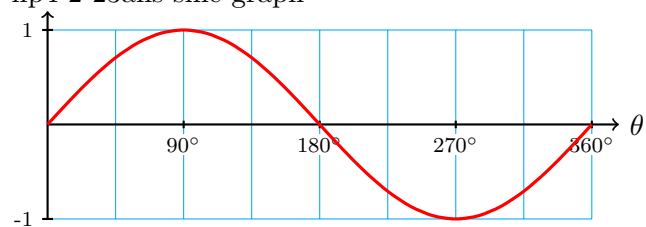
hp4-2-17ans vector



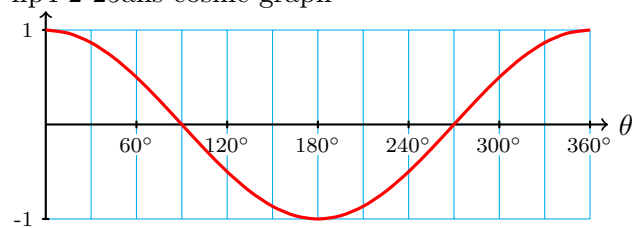
hp4-2-21ans sine graph



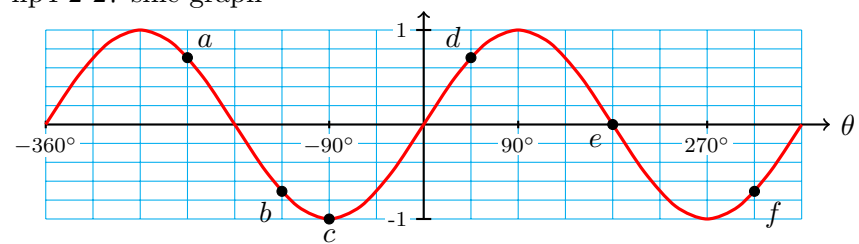
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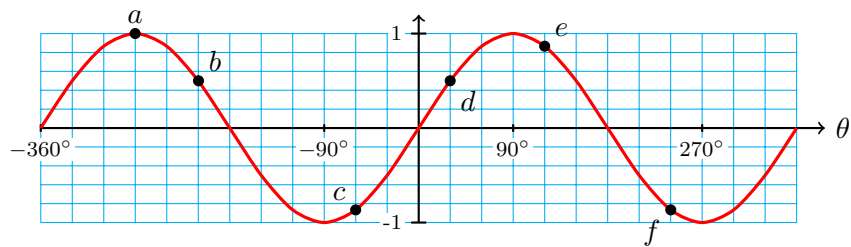
hp4-2-25ans cosine graph



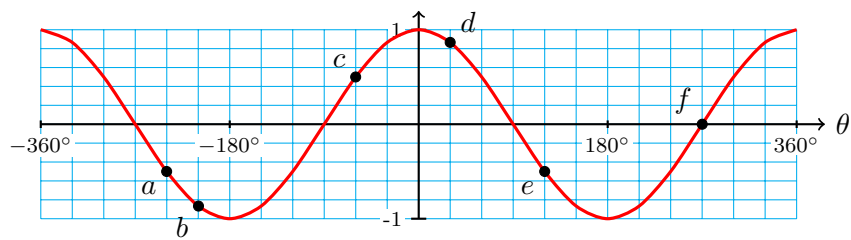
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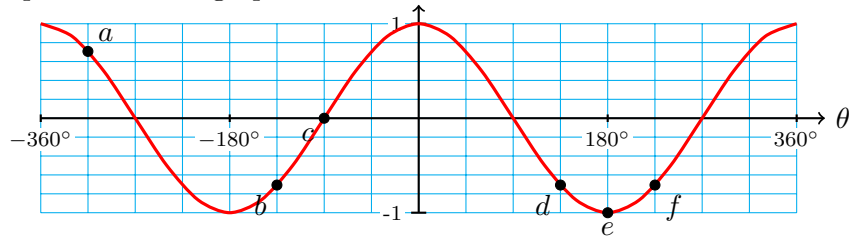
hp4-2-28 sine graph



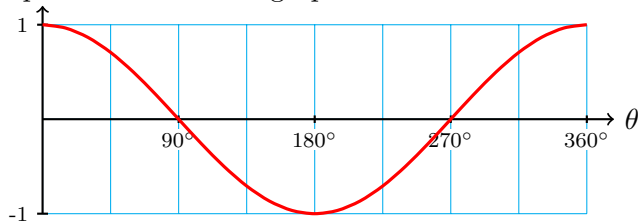
hp4-2-29 cosine graph



hp4-2-30 cosine graph



hp4-2-31ansb cosine graph



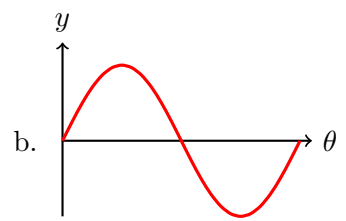
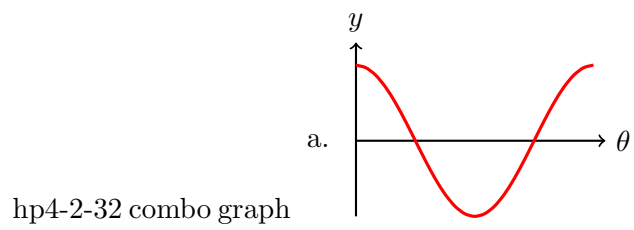
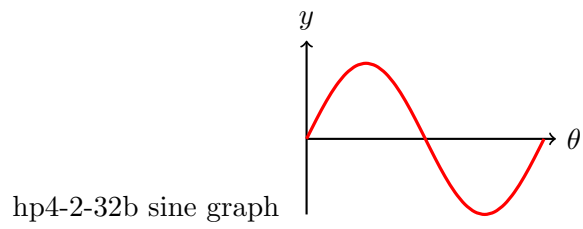
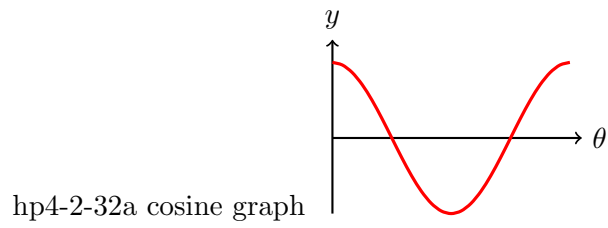


fig-4-2-41 ferris wheel and graph

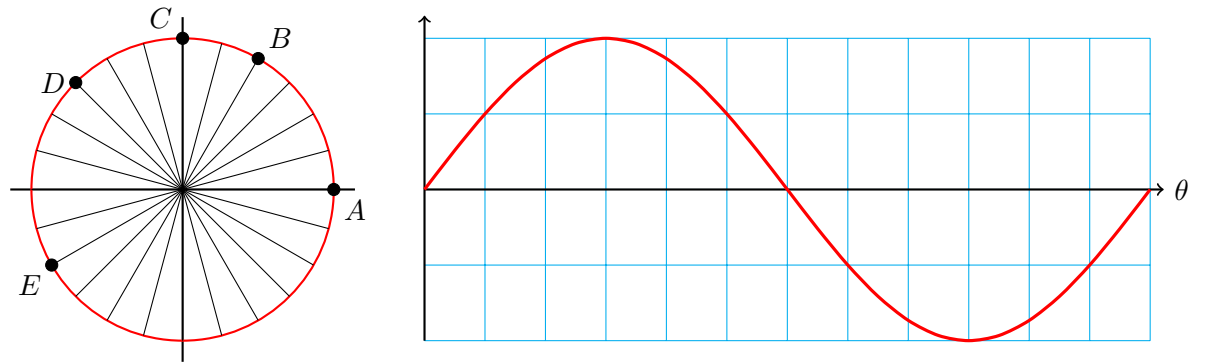


fig-4-2-41ans ferris wheel graph

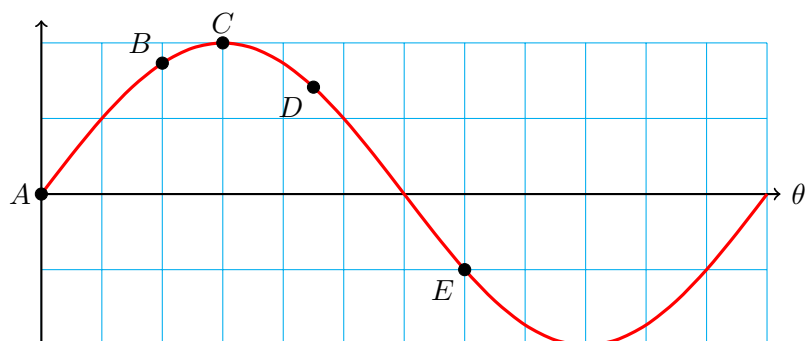


fig-4-2-42 ferris wheel and graph

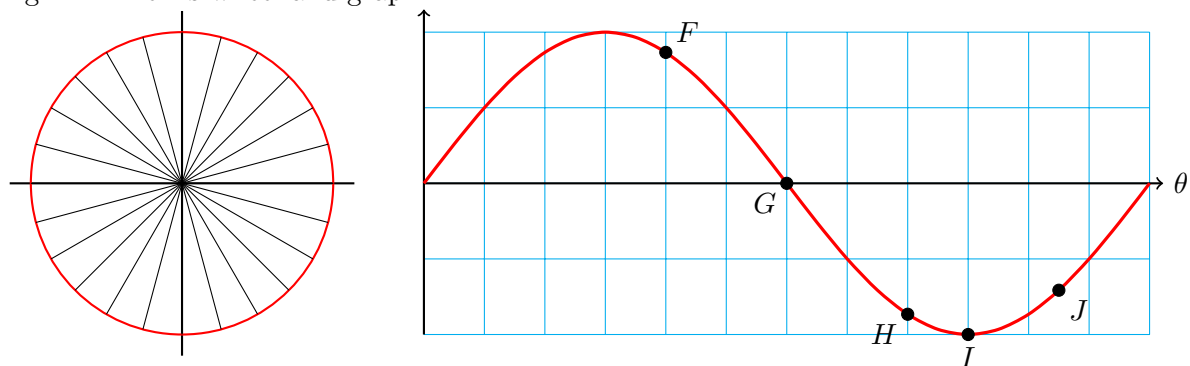


fig-4-2-43 circle and cosine graph

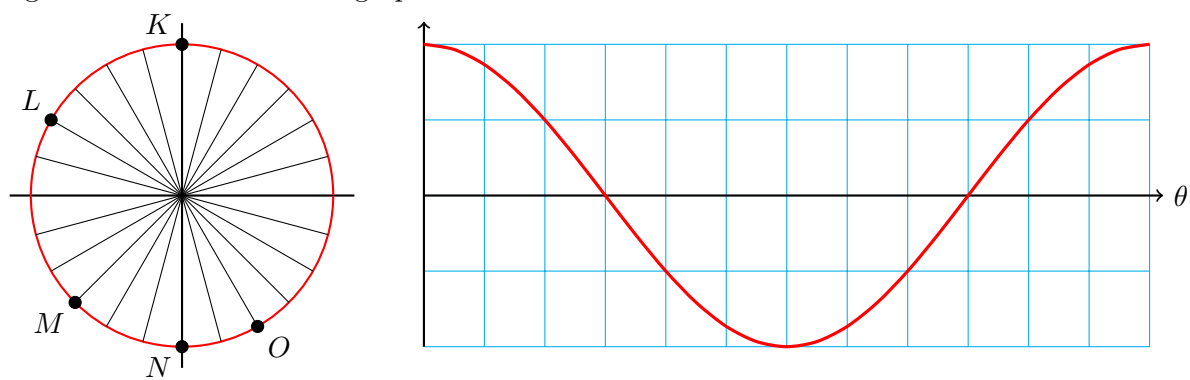


fig-4-2-43ans cosine graph

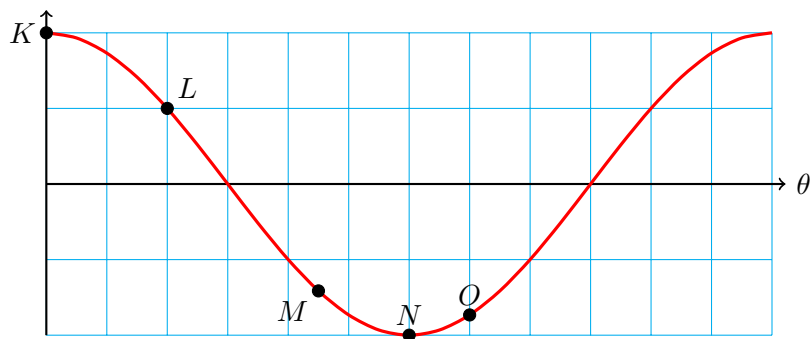
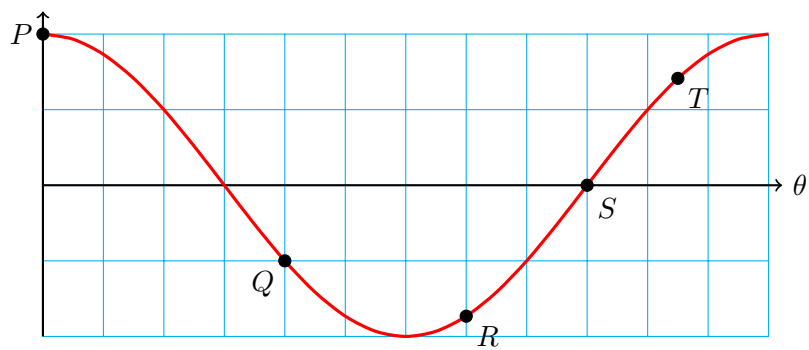
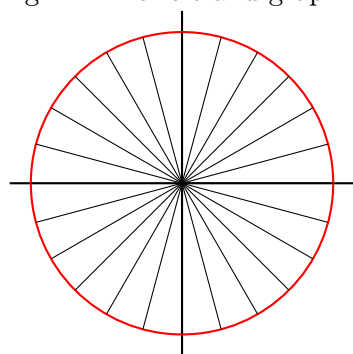
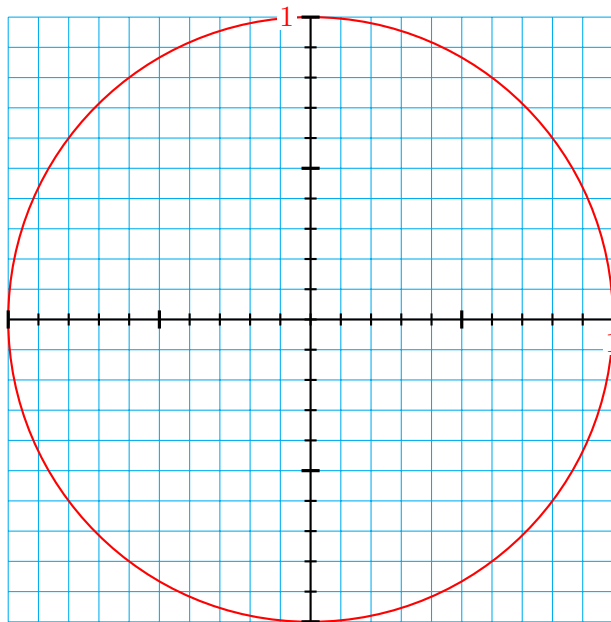


fig-4-2-44 circle and graph

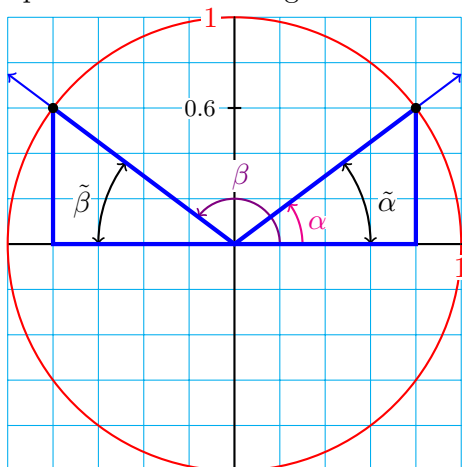


hp4-2-45 circle on grid

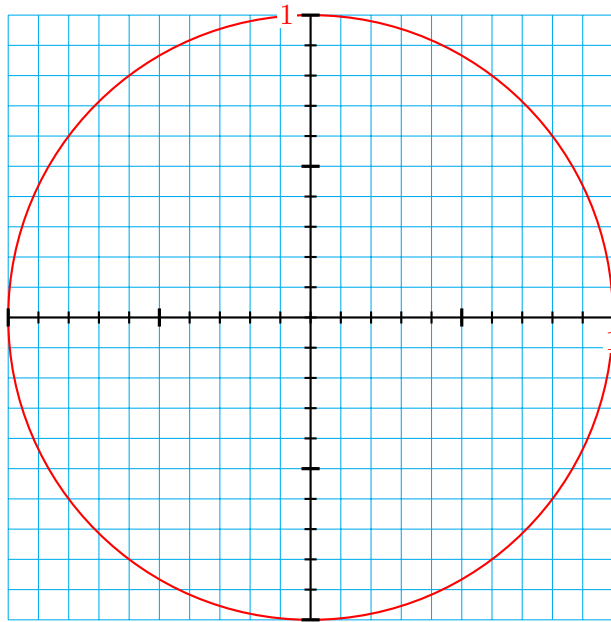


Use this grid for #45 and #46

hp4-2-45ans circle on grid



hp4-2-47 circle on grid



Use this grid for #47 and #48

hp4-2-47ans circle on grid

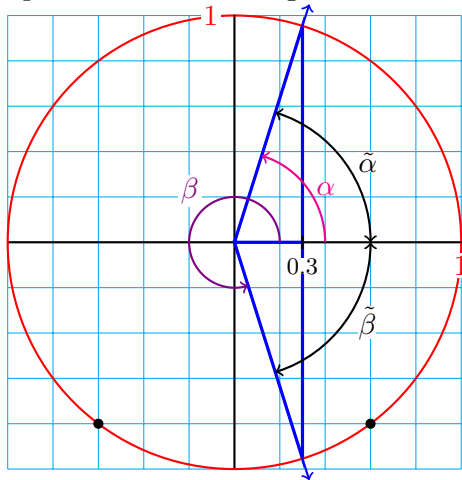


fig-4-2-sinegraph sine graph

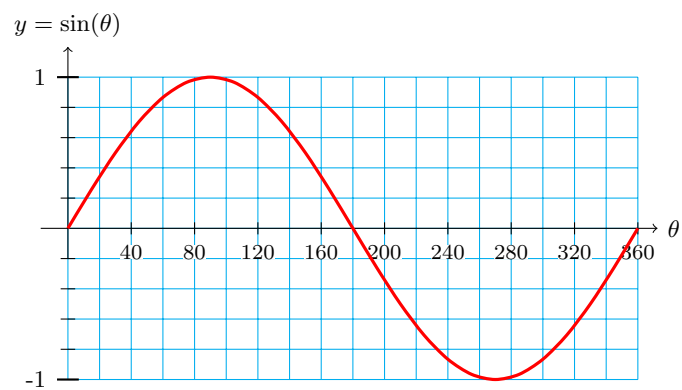
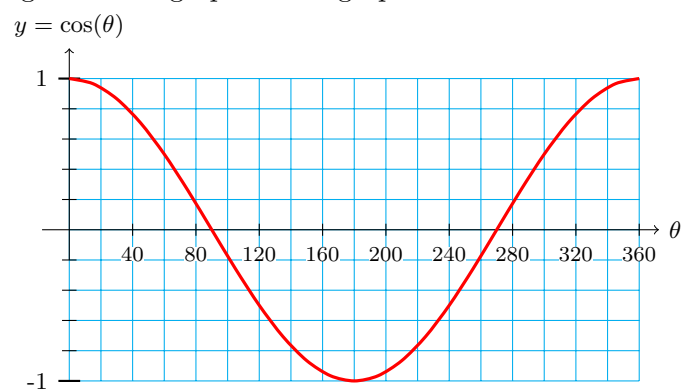
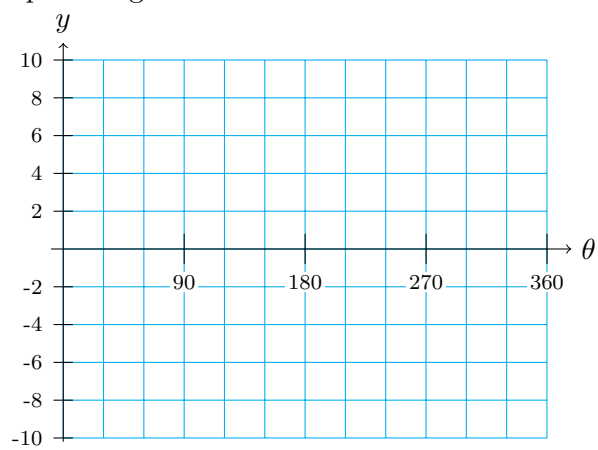


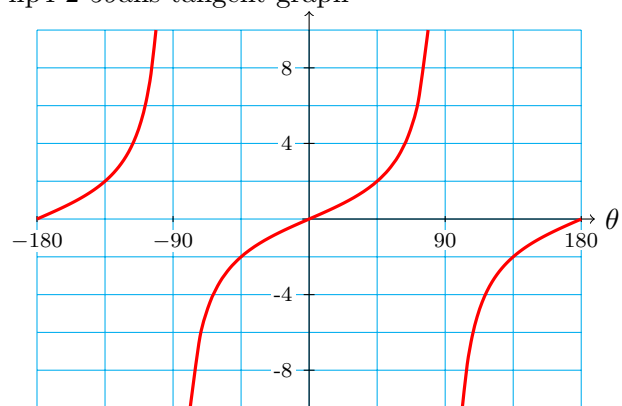
fig-4-2-cosinegraph cosine graph



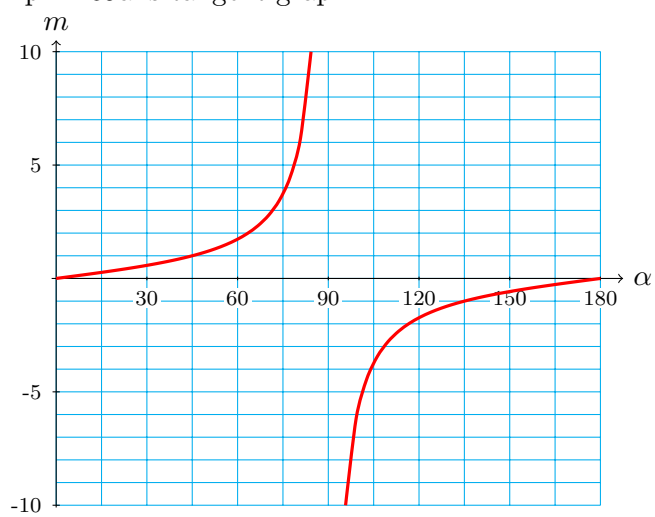
hp4-2-58 grid



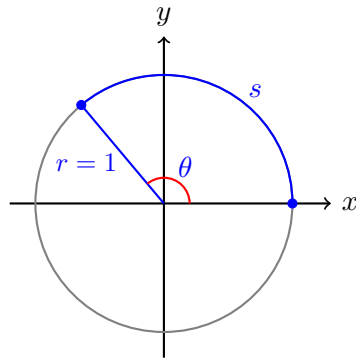
hp4-2-59ans tangent graph



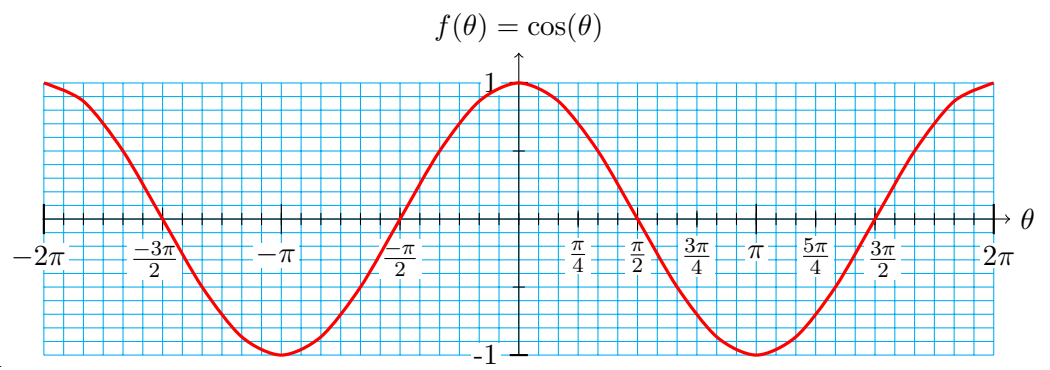
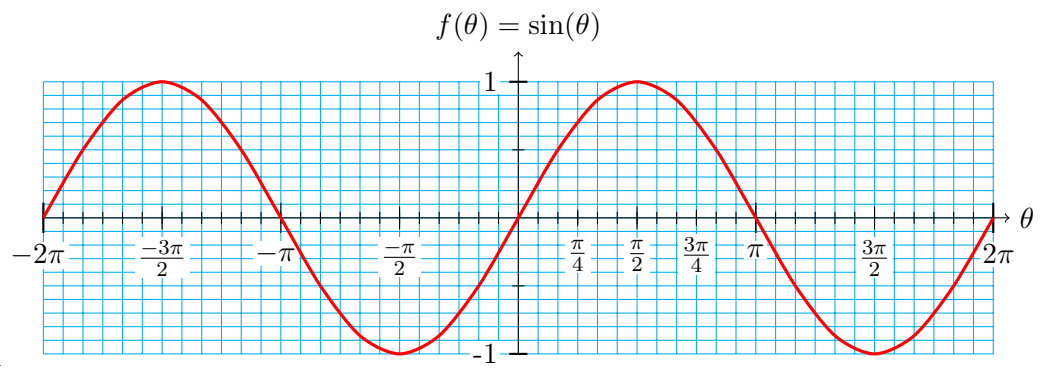
hp4-2-69ans tangent graph

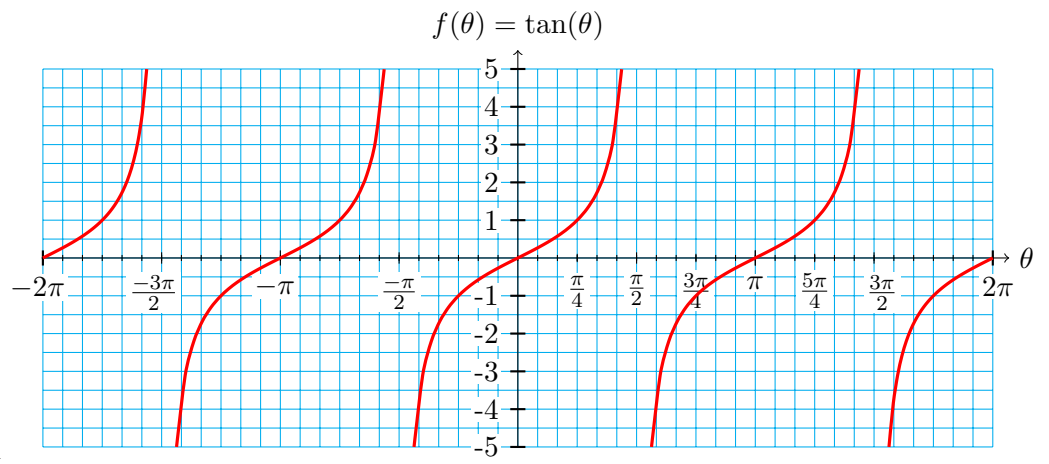


3 Stuff for later

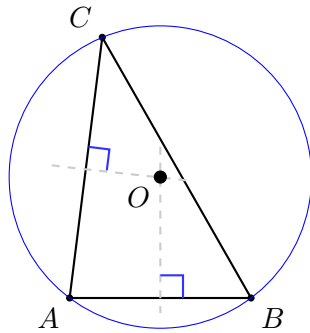


On a unit circle

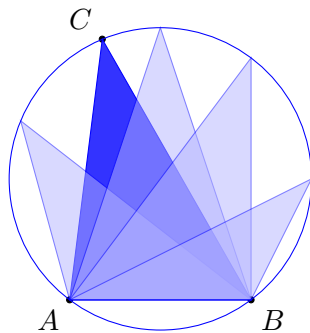


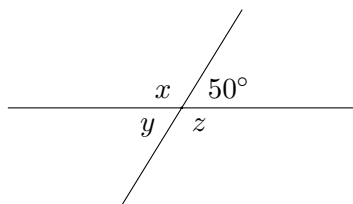


part A: law of sines a circumscribing circle



part B: law of sines a circumscribing circle





Exercise not used?